SARA SKYWAVES

W5SRA

AUGUST 2020

MY CORNER OF THE SHACK

by John Smyder, W5JWS

It's August already and that means next month will be the club election of officers. We will be doing our elections on-line this year since the library is still unavailable to us and the rules imposed during the pandemic.

If you are interested in serving as President, Vice President, Secretary, Treasurer, Public Information Office, Newsletter Editor, or Director at Large, please contact AG5PM (Rich Lakin) or KI5DDX (Jeff Feldman). You can get their email address from QRZ.

If you would like to nominate someone please make sure they are willing and get their name to the nominating committee no later than Friday August 28th so their name can be placed on the ballot.

Because we cannot meet in person for the elections we will be sending ballots to all ***paid*** members of the club. Ballots are anonymous and will have a space for write in's.

You must have paid your membership dues, including those paid by check, for the 2020-2021 term by end of day September 9th (the day before the September meeting). You can join or renew on-line at our "**How To Join**" on our website and then head to the bottom of the page and look for "Fill out and pay via our **On-Line Membership Application Form**". Complete the required fields so we have your most current information and then proceed to the payment page where you can pay with a debit or credit after submitting your application.

If you choose do download, print, complete and mail your application and payment, please remember that we will need your check in the PO Box (PO Box 1794, Wylie, TX 75098) by end of day on the September 9th and the Post Office has told us that mail is delivered at 10am so, you will need to make sure you've given the USPS time to get your application to us by that time.

We will being emailing ballots to those who have paid starting on September 1st and continue sending ballots to those whose payments we have received up until that last mail pickup on the 9th. Your ballot is anonymous and must be completed by the break time of the September meeting. We will take a short break after the business meeting to allow voting to be closed. Once we have closed voting the results will be available immediately as part of our Google Suite for Non-Profits and we will share those results with everyone on the meeting.

Shack, Continued on page 2

The General Meeting Thursday, August 13, will be Online!

Use this Link:

August General Meeting

Or Join by phone: (US) +1 617-675-4444
PIN: 792 694 388 5810#

JOIN US ON THE AIR

SARA Weekly Information Net
When: Weekly on Wednesdays, 8:00pm – 8:30pm
Where: N5LOC (145.250, PL 141.3)

The Sachse Amateur Radio Association uses the N5LOC repeater in Sachse, TX:

- Frequency: 145.25 MHz
- Shift: -600 kHz
- PL tone: 141.3

The W5SRA UHF Repeater is on the air.
440.350, +5, and 110.9 Tone in and out.

Shack, Continued from page 1

I'm sure that a few have noticed that EchoLink is no longer up on N5LOC. The code that is required to run on the repeater has not been touched in better than two years, I am told, and as such, hasn't kept pace with OS updates and has left many bugs exposed.

Don't forget our new repeater, W5SRA (440.350Mhz, +, PL 110.9) is on the air. We need to get with AG5HB (Doug) to start coordinating the start of installation now that all our parts are here. Here is the information for the machine from Repeater Book.

Frequency	Offset	Tone Up / Down	Location	Country		Call	Use
440.3500	+5 MHz	110.9 / 110.9	Sachse	US	TX	W5SRA	OPEN

Finally, our August 13th General Meeting @ 19:30 will again be virtual via Google Meet (meeting link). Our presentation this month is going to be on AllstarLink. Our own Mark Mantooth (KI5CYA) will be giving us information on what AllstarLink is and how it can be used.

I hope to hear you on the air and 'see' you at the general meeting on the 13th. Take care, stay safe and healthy.

73, W5JWS – John S

Do you shop at Amazon?

amazon smile prime

Supporting: Sachse Amateur Radio Association

Support the Sachse Amateur Radio Association!

What is AmazonSmile?

AmazonSmile is a simple and automatic way for you to support your favorite charitable organization every time you shop, at no cost to you. When you shop at smile.amazon.com, you'll find the exact same low prices, vast selection and convenient shopping experience as Amazon.com, with the added bonus that Amazon will donate a portion of the purchase price to your favorite charitable organization. You can choose from over one million organizations to support.

How do I shop at AmazonSmile?

To support SARA, simply go to smile.amazon.com from the web browser on your computer or mobile device and setup the organization that you want to support. You may also want to add a bookmark to smile.amazon.com to make it even easier to return and start your shopping at AmazonSmile.

UPCOMING EVENTS

Aug 13 - General Meeting

Our presentation this month is going to be on AllstarLink. Our own Mark Mantooth (KI5CYA) will be giving us information on what AllstarLink is and how it can be used. Link: August Meeting Link

Aug 8 - VE Test Session

9:00-11:00am, 508 Parker Rd, Wylie. Contact: AC5BC (Bill) 214.500.3472, ac5bc2@verizon.net for additional details. While not required, scheduling with Bill in advance is appreciated!

Aug 8-9 - QSO Today Virtual Ham Expo

Participate in this ground breaking, virtual international amateur radio expo. Packed with world renowned speakers, exhibitors, and special conference rooms built on a virtual reality platform. Attend from the convenience of your desktop, laptop, tablet, or smartphone. www.qsotodayhamexpo.com

Aug 27 – Board Meeting

Oct 17 - ARRLNTX Mentor Fest

Details will be posted at the http://arrlntx.org website soon We are very hopeful that by October we are able to have gatherings and proceed with Mentor Fest, but remain flexible for any change.

Wednesday Repeater Net
N5LOC Rptr 145.250, Tone 141.3 @8:00 PM
5 August - Jeff, KI5DDX
12 August - John, W5JWS
19 August - ?
26 August - ?

Sunday Public Service Net -
N5LOC Rptr 145.250, Tone 141.3 @9:00 PM

CW and QRP - Field Day 2020

The Field Day rules changes for this year provided many of us with an opportunity to operate from our homes. Out of caution (and advanced age) I decided to do that this year and contribute my points to the club.

My strategy was to take my field radios and use them at home with the home QTH antenna. That antenna isn't what most would consider to be elaborate – it's just a 40-foot, non-resonant end fed wire. The field radios are 2 watt, analog, single-band, CW-only radios with very low current requirements. The radios were powered for the entire Field Day event on one charge of a small lithium polymer battery.

I operated in Category 1E, and ran exclusively CW, QRP, and battery power. Where did my 2 watts get me? NTX (local). STX.
WTX. AL. MN. TN. MO. NM. LAX. SCV. ORG. SDG. WNY. EPA. NNJ. OH. AZ. CO….

The list of ARRL Sections, and the average distance from my home QTH near Dallas was probably not a whole lot different than it would have been had I run 100 watts instead of 2 watts.

I never sent CQ – that would have been a futile exercise. I just picked strong signals to chase, figuring that there was a good propagation link to those stations. With a known good propagation link, QRP and CW would often get me there.

Sixty percent of the QSOs were on 40 meters. That wasn't expected, since the noise level on 40 meters is much higher than it is on 20 meters. Two watts isn't much to overcome the noise with. Propagation on 20 meters wasn't great that weekend, though - and 40 meters was working. I operated for most of the night to take advantage of what 40 meters was giving me.

Could I have gotten similar results on a "normal" Field Day – from the park? Quite possibly, yes! My field antennas are all end fed wires, just like the home QTH antenna. I guess that it would depend on where the park is, the elevation, and the obstructions (or lack of) surrounding the site.

The lessons learned here are:

1. CW and QRP are fast friends.
2. Running radios all night in an air-conditioned house is more comfortable than being in the park ☺

I hope that your Field Day was as much fun as mine was. If it wasn't, consider running CW next year. If your code is rusty (or non-existent), in a year you can change that!

- Jim Eatman KG5WAW

Jim did WHAT ???

Our very own Jim Eatman, KG5WAW received the Tribune Tx2 Award. Here's the announcement my crafty spies intercepted…

Hear Ye! Hear Ye! Gather 'round and pay heed to the news of this day! Let there be revelry & celebration for yet another Centurion has advanced to the Tribune Tx2 level of SKCC achievement !!!

Jim Eatman, KG5WAW, SKCC# 19659T, has achieved the coveted 2nd generation SKCC member achievement known far and wide as the Tribune Tx2 award.

The Tribune Tx2 award is earned by SKCC Centurions who work 100 other Centurions, Tribunes, or Senators. Jim's log & application were submitted to the Tribune Administrator. The Tribune award Analysis Team performed an exhaustive review of the submitted documentation. The process confirmed that all of the 100 required contacts had indeed been made with established SKCC Centurions, Tribunes or Senators subsequent to Jim's Centurion date.

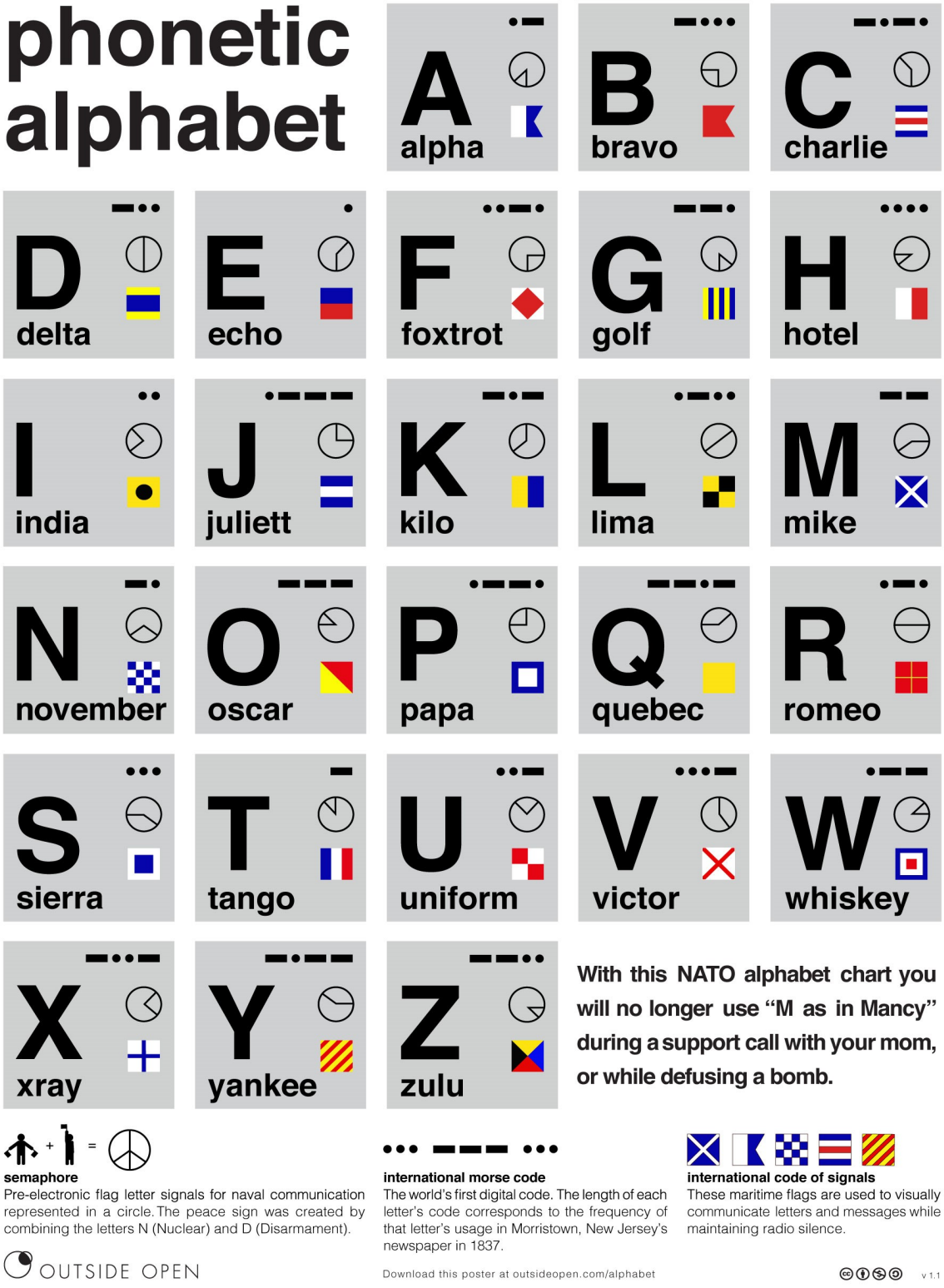
Having submitted a log and sworn statement, both of which have survived the intense tests used by the Tribune administrator, Jim Eatman, KG5WAW, is duly proclaimed to be SKCC Tribune Tx2.

This SKCC member shall, from this day forward, proclaim to all that their SKCC Number ends with T. He shall enjoy all the honor and privilege that appertains thereto and all shall accord him the esteem and respect appropriate to their achievements.

Tribune Xn Operators are permitted to use the Xn designator as they see fit whenever discussing their Tribune status. The Master Tribune List has been duly scribed where all SKCC Members may reflect upon and pay tribute to this momentous achievement.

Congratulations to: Jim Eatman, KG5WAW, SKCC# 19659T, Tribune Tx2.

Duly approved, recorded, and published. I set forth my hand and key on 10-Jul-2020
Phil Barsky, K3EW
SKCC 10605S


phonetic alphabet
A alpha
B bravo
C charlie
D delta
E echo
F foxtrot
G golf
H hotel
I india
J juliett
K kilo
L lima
M mike
N november
O oscar
P papa
Q quebec
R romeo
S sierra
T tango
U uniform
V victor
W whiskey
X xray
Y yankee
Z zulu
With this NATO alphabet chart you will no longer use "M as in Mancy" during a support call with your mom, or while defusing a bomb.
semaphore
Pre-electronic flag letter signals for naval communication represented in a circle. The peace sign was created by combining the letters N (Nuclear) and D (Disarmament).
international morse code
The world's first digital code. The length of each letter's code corresponds to the frequency of that letter's usage in Morristown, New Jersey's newspaper in 1837.
international code of signals
These maritime flags are used to visually communicate letters and messages while maintaining radio silence.
OUTSIDE OPEN
Download this poster at outsideopen.com/alphabet
v 1.1

FACT-Check

Occasionally, maligned as an anti-Christian symbol (an upside-down broken "Nero-cross"), a satanic character, or even a Nazi emblem, the iconic peace sign is apparently not so innocent to everyone. Thankfully, the symbol has a clear history, and its origin is not so controversial. **The modern peace sign was designed by Gerald Holtom for the British Campaign for Nuclear Disarmament in 1958.** The vertical line in the center represents the flag semaphore signal for the letter D, and the downward lines on either side represent the semaphore signal for the letter N. "N" and "D", for nuclear disarmament, enclosed in a circle. Holtom also described the symbol as representing despair, with the central lines forming a human with its hands questioning at its sides against the backdrop of a white Earth. It is said that Holtom originally considered using a Christian cross but disliked its association with the Crusades and ultimately chose something he considered to be more universal. https://www.britannica.com/story/where-did-the-peace-sign-come-from

FOR SALE

Anyone in the club looking for a Kenwood TS-950SDX HF transceiver? How about a Yaesu FT-225 25W 2 meter rig?

Let me know,

Jim KG5WAW

JOIN THE ARRL

As an ARRL member you support the ranks of thousands of other ham radio enthusiasts shaping the Amateur Radio service today. If you consider yourself an active ham... you need ARRL now. If you are not presently an active ham... let ARRL help you.

As a member of the ARRL, for as little as $49.00 per year, here are some of the benefits you will enjoy:

- *QST* Magazine – your monthly membership journal
- QST online monthly digital edition
- QST Archive and Periodical Search
- Product Review Archive
- Email forwarding
- E-Newsletters – delivered to your inbox
- A voice in the affairs of ARRL and ham radio through locally appointed volunteers
- Publication Specials and on-line course discounts
- Emergency Communication Services
- Technical and Regulatory Information Services
- Operating Awards
- Ham Radio Equipment Insurance Plan Available
- Outgoing Foreign QSL Service

Plus much more!

Take the next step in being an active participant in the future of ham radio. Join the ARRL today!

If you Prefer to Renew by Mail or Phone:

ARRL The national association for AMATEUR RADIO

225 Main Street, Newington, CT 06111-1400 USA

860-594-0200 or Toll-Free 1-888-277-5289

ARRL Eclectic Tech | ARRL On the Air

ARRL Podcasts Schedule

The latest episode of the *On the Air* podcast (Episode 5) focuses on the various types of modulation and tips on go-kits. The *On the Air* podcast is a monthly companion to *On the Air* magazine, ARRL's magazine for beginner-to-intermediate ham radio operators.

The latest episode of the *Eclectic Tech* podcast (Episode 9) includes a discussion of CW decoding software, intermodulation distortion, and blockchain technology.

The *On the Air* and *Eclectic Tech* podcasts are sponsored by Icom. Both podcasts are available on iTunes (iOS) and Stitcher (Android), as well as on Blubrry -- On the Air | Eclectic Tech.

WHAT ARE YOU WORKING ON?

I know that many of us have projects going on that other in the club would love to hear about. Consider writing it up for the newsletter. …

Send your submissions to newslettereditor@sachseradio.org by the third Thursday of the month to be included in the next issue of

SACHSE SKYWAVES !

STEP RIGHT UP
STUPID HF TRICKS

The NIST Clock

By Lonnie Webb, KG5WHQ

Here's a bit of fun. If you have an HF radio that is doing nothing—that is a sad state of affairs to have a lonely HF radio—breathe some life into it by tuning your HF rig to 10MHz if your antenna will hit the 30m band or thereabouts.

After tuning to 10MHz, your speaker should play a ticking sound.

Bingo! Your rig is now a clock!

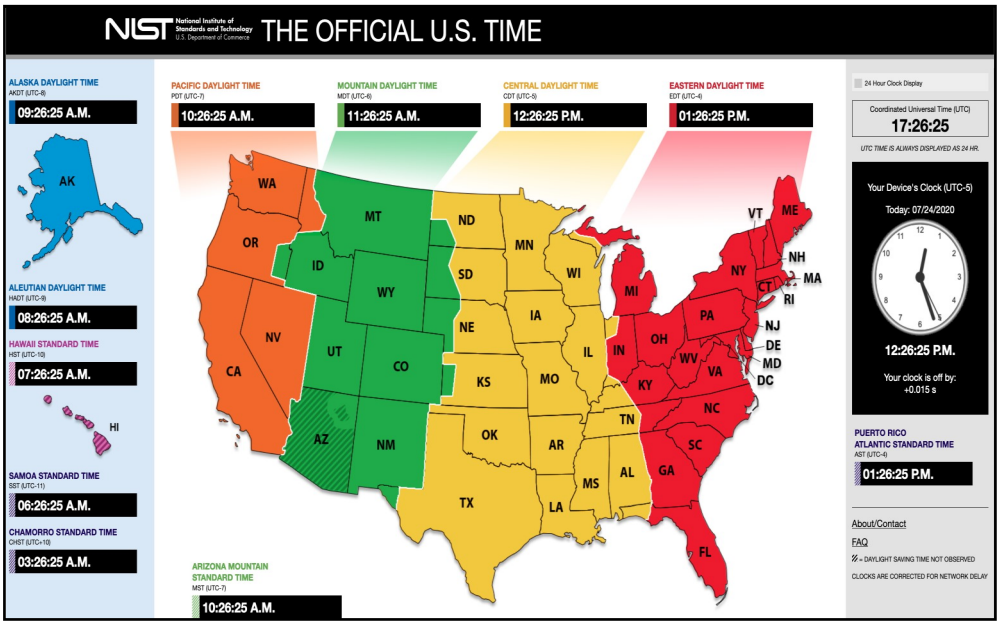


Image of the live clock from https://www.time.gov/

What is it

This sound is THE clock, the one everybody checks their time against, the one your phone uses, and the one that drives the internet.

National Institute of Standards and Technology (NIST) went on the air in Washington, DC in May 1920. By December 1922, it was decided that the station's purpose would be the transmission of standard frequency signals. It is the time base, along with the NIST atomic clocks F2 and F1, that the world synchronizes with.

The NIST signal is compared to other world clocks in real time.

WARNING: You may not transmit on NIST frequencies. *If you have to kerchunk to get tuned, turn that RF all the way down. Consider buying a tune button.*

You hear it from the shortwave NIST radio station WWV which broadcasts time and frequency information 24 hours per day, 7 days a week at the top of the minute. WWV is physically located near Fort Collins, Colorado.

WWVB is the shortwave station for the binary transmission for your desk clock.

Where to find it on your rig

In North Texas, depending on your antenna, you should be able to pick up the clock on 5 MHz, 10 MHz, 15 MHz, and 20 MHz. Every five MHz up to 20. Plus a low power signal on 2.5 MHz. Occasionally, 25 MHz is used for experimentation.

Should you be hanging out on your yacht in the Pacific Ocean, NIST in Hawaii broadcasts on WWVH at 2.5, 5, 10 and 15 MHz from Kauai, HI.

Not being in a ham band, reception of the transmission is worldwide.

What is in the signal

According to their website, the NIST broadcast information includes time announcements, standard time intervals, standard frequencies, UT1 time corrections, a BCD time code, and geophysical alerts.

NIST, Continued on page 7

NIST, Continued from page 6

	purpose of field	bits allocated	total number of bits (and seconds in duration)
1	synchronization word (may include last bit of previous frame)	0-12, 59	14
2	time word (includes 5 parity bits and repeated LSB)	13-28, 30-38, 40-46	32
3	daylight saving time (DST) state and leap second notification	47-48, 50-52	5
4	advance notice for next DST transition (or message word)	53-58	6
5	NIST notice indication	49	1
6	reserved bits (coincide with markers in AM/PWM)	29, 39	2
		total:	**60**

The WWVB binary signal breaks down like this:

There is a whole white paper online for the bit by bit complexities of the format.

About the antennas

Again, from the NIST website, WWV antennas (*figure 1*) are half-wave verticals that radiate omnidirectional patterns. There are antennas at the station site for each frequency. Each antenna is connected to a single transmitter using a rigid coaxial line, and the site is designed so that no two coaxial lines cross. Each antenna is mounted on a tower that is approximately one half-wavelength tall.

The tallest tower, for 2.5 MHz, is about 60 m tall. The shortest tower, for 20 MHz, is about 7.5 m tall. The top half of each antenna is a quarter-wavelength radiating element. The bottom half of each antenna consists of nine quarter-wavelength wires that connect to the center of the tower and slope downwards to the ground at a 45 degree angle. This sloping skirt functions as the lower half of the radiating system and also guys the antenna.

Wait, that means the guys are part of the radiators! I sense a future topic.

Figure 1

Why it is there

The DC station (*figure 2, next page*) moved to Beltsville, MD in 1932. It was during this time the announcement of time began and would eventually grow into a worldwide time base. The station location was then renamed Greenbelt, MD before being moved to Ft. Collins. WWVB went on the air on July 5, 1963.

Originally, the broadcast of Friday evening music concerts that lasted from 8:30 to 11 p.m. The 50 W transmissions used a wavelength of 500 m (about 600 kHz, or near the low end of today's commercial AM broadcast band), and could be heard out to about 40 kilometers.

Music and other information on the same band. Crazy!

Ft. Collins is central to the continental United States and has exceptionally high ground conductivity, which was due to the high alkalinity of the soil.

NIST, Continued on page 8

NIST, Continued from page 7

A curiosity

FYI, the WWV and WWVB site was designed by W. W. Brown.

What to say when people ask why there is a ticking sound:

"Sh! I'm listening to the countdown!"

(Images via nist.gov)

For kids that can read: https://www.nist.gov/timeline

-Lonnie, KG5WHQ

Figure 2
DC Station, Beltsville, MD

The election of club officers is coming in September. If you are interested in serving as President, Vice President, Secretary, Treasurer, Public Information Office, Newsletter Editor, or Director at Large, please contact AG5PM (Rich Lakin) or KI5DDX (Jeff Feldman). You can get their email address from QRZ.

Because we can not meet in person for the elections we will be sending ballots to all ***paid*** members of the club. Ballots are anonymous and will have a space for write in's.

If you would like to nominate someone please make sure they are willing and get their name to the nominating committee no later than Friday August 28th so their name can be placed on the ballot.

NOTE: You must have paid your membership dues, including those paid by check, for the 2020-2021 term by end of day September 9th (the day before the September meeting) and your anonymous ballot must be completed by the break time of the meeting. We will disable voting at that time and share the results real-time during the meeting.

Thanks,

John W Smyder - W5JWS

SARA Repeater Fund Raiser

Who we are: Sachse Amateur Radio Association (SARA). We have members from our surrounding communities: Sachse, Wylie, Murphy, Garland, Rowlett and other local cities.

Why we exist: Amateur Radio, also known as **ham radio**, is the use of radio frequency spectrum for purposes of non-commercial exchange of messages, wireless experimentation, self-training, private recreation, radio-sport, contesting, and ***Emergency Communication***. We have events to support the community and teach our membership how to support the community both for emergency and non-emergency ways.

Events we support are: Sachse Cars under the Stars, Wylie Championship Rodeo, Sachse Fall Fest, Sachse Red White and Blue Blast, Monthly Sachse Outdoor Warning Siren testing and other events providing radio communication support and more.

How we practice being ready to support the community in an emergency: weekly and fortnightly having controlled radio nets both on a repeater and simplex radio networks so that in the event of an emergency we can respond with communications if needed.

Why is this important: In the event of a disaster (natural or man-made) cell phone towers may go offline, Police and Fire communications also might go offline or be overwhelmed with calls. **Amateur Radio** is a backup solution in the event of an emergency. An example of this was Puerto Rico in the wake of Hurricane Maria. Most of the island lost power and phone coverage (both land line and cell phone were out). The Red Cross contacted the American Radio Relay League and requested help, "We need 50 of your best radio operators to go down to Puerto Rico.". See https://www.cnn.com/2017/09/27/us/puerto-rico-maria-ham-radio-operators-trnd/index.html for more detail. Now we are not going get hit with a hurricane here in the SARA north Texas area but we could be and have been hit with tornadoes, and large hail storms that have done a lot of damage and have in some cases knocked out communications in the process.

What are we trying to accomplish: We are trying to raise money to setup a Sachse Amateur Radio Association owned Radio Repeater. This will give us greater coverage of the local area in the event of an emergency. We have been slowly saving club finds to afford a repeater, but we are a small club, and to date we have not reached out to the local community for assistance. Until recently there have be privately owned repeaters available, but recently one of those repeaters went offline permanently, another has been having issues with interference for technical reasons. So, we are feeling the pressure to get a new repeater online in the community to have good coverage in the event it's needed. We have found a local church that is willing to house the repeater and provide power and 24-hour access to the repeater in the event of problems.

How you can help: You can donate to our fund-raising drive, and since we are a 501c3 charitable organization we can give you a receipt that can be used with the IRS. Even small donations will help, if 100 people donate $20 that would help pay for the necessary antenna to cover the community. If 200 people were to donate $40 each, we could afford to put up a tall tower and purchase an even better radio then planned which provide even better coverage for the community on what, right now, is our shoe string budget. It's really up to you, will you help us to help you in the event of an emergency? If so please donate! If you would like more info please contact one of the Board members or email David Mandala at treasurer@sachseradio.org

1 An **amateur radio repeater** is an electronic device that receives a weak or low-level amateur radio signal and retransmits it at a higher level or higher power, so that the signal can cover longer distances without degradation. See: https://en.wikipedia.org/wiki/Amateur_radio_repeater

Try the new W5SRA Repeater

Good Morning everyone. It has been suggested, that during this time of 'stay home - stay safe', that if we are able, to get on the new repeater (440.350 + PL 110.9) at 10am each day just to chat and check in with each other.

It should be noted that the W5SRA repeater is in a temporary location until we get past this inconvenience and can finalize plans and do the work of getting it in its final location. That said, please understand that coverage may not be optimal at this time.

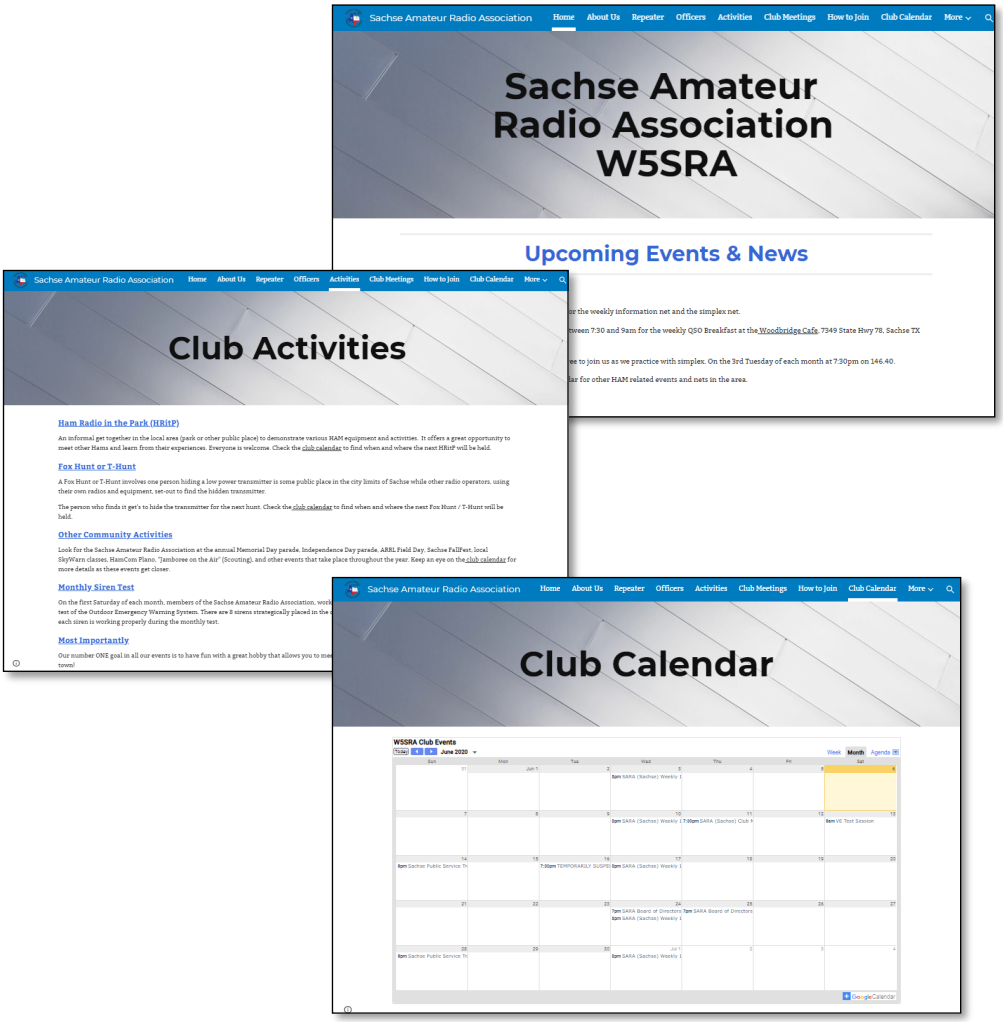
We've also noted that there is a bit of a delay in the repeater picking up the first syllable or two so, while we investigate that, please key, wait a moment, then put your call out there.

I hope to hear you soon.

W5JWS --

The New SARA Website is live!

Same URL, New Design! *http://sachseradio.org*.



NEWSLETTER ARTICLES

Working on a project that you think the club members would be interested in? Read a good HAM related article somewhere? Send articles to Steve, W5SOT, at: newslettereditor@sachseradio.org

ACTIVITIES COMMITTEE

SARA vice-president Greg Kent, KK6AXF heads up the SARA Activities Committee. Anyone who is willing to help or has ideas may contact Greg, KK6AXF, at kk6axf@gmail.com.

SARA BRANDED GEAR

We now have two suppliers for SARA gear. Both of these companies have our logo on file.

HamThreads will do hats, shirts, jackets and vests. They can do single items. HamThreads is in Saginaw.
https://www.hamthreads.com

Cactus Awards is local to Wylie and they specialize in Awards, Trophies, Plaques, Engraving and Embroidery as well as Tee-Shirt printing. Minimum order for some clothing is 3.
http://www.cactusawards.com

CALL
Your Name
Sachse, Texas

SARA NAME BADGES

If you need a SARA name badge please go to:
https://namebadge.com/sachse

Sachse Amateur Radio Association
Meeting Minutes
July 9, 2020

Start time: 7:30 pm
Location: Via Google Meet
Facilitator: John Smyder (W5JWS) President

Opening

John Smyder (W5JWS) President

Everyone introduced themselves and gave their call sign

Johnnie Young (KG5CQO)

Listed each attendee from copy of list provided by **Steve Harbin (W5SOT)**

Attendees

14 members
6 guests

President's report – John Smyder (W5JWS)

Next board meeting is July 23rd on line
Next general meeting is Aug 13th, 7:30 pm, likely virtual
watch weekly SARA upcoming activities,
e-mail and newsletter, Facebook details
September meeting is for Election of board members
Contact **Rich Lakin, AG5PM**, at rjlakin@att.net
or **Jeff Feldman, KI5DDX**, at feldini@gmail.com
if you are interested in running for a position

Vice-President – Gregg Kent (KK6AXF)

Activities committee
Field Day – June 27th and 28th
Some people did make contacts
Other ideas;
Need ideas for this time of social distancing

Sachse Amateur Radio Association
Meeting Minutes
July 9, 2020

John Smyder – W5JWS introduced **Rob Forson – K5WFR** and **Katherine Forson – KT5KMF** as Fox Masters for Richardson
Its name is Wheatley

Secretary – Johnnie Young (KG5CQO)
Not in attendance
John Smyder – W5JWS
Minutes for the June meeting are posted on the web site, and were published in the newsletter
Motion to accept – **David Mandala (KG5WFS)**
2nd to accept motion – **Lonnie Webb (KG5WHQ)**
No one opposed
Motion passed

Treasurer – David Mandala (KG5WFS)
Financial sheet for July updated to July 9th
Review of finances were presented
Motion to accept – **John Briggs (KC6TVF)**
2nd to accept motion – **Mark Mantooth (KI5CYA)**
No one opposed
Motion passed

Information Officer – John Briggs (KC6TVF)
Saturday – QSO breakfast @ Woodbridge Cafe @ 8:00
In person on hold
Café is open but no large groups
Next VE Session – July 11th, Wylie Masonic Lodge
Need volunteers for NCS repeater
July 15th **John Smyder – W5JWS**
July 22nd **Lonnie Webb – KG5WHQ**
July 29th **Mark Mantooth – KI5CYA**
Aug 5th **Jeff Feldman – KI5DDX**
Aug 12th **John Smyder – W5JWS**

Simplex Net temporarily suspended until we have some operating scenarios

Newsletter editor – Steve Harbin (W5SOT)

News letter was sent via e-mail and is on the SARA web site
Distribution #114
Submissions due by the 1st day of the month
Goal—to have the newsletter out a week prior to the general meeting
Always can use news articles and ideas
Projects you are working on or have completed
Events and activities related to Ham Radio
Articles you have read in other publications
Take pictures at all events & send to the Newsletter editor **Steve Harbin (W5SOT)** at newslettereditor@sachseradio.org
The newsletters are really good when members send in articles
Remember the newsletter goes beyond the membership

Director-at-Large – Mark Mantooth (KI5CYA)

Nothing to report

Education Report – John Smyder (W5JWS)

Ideas for upcoming meetings
Please help with subject matter

Upcoming General Meeting Subject Plans
Aug – All Star – **Mark Mantooth KI5CYA**
Sept – BOD elections
Oct – Coordinated fox hunt – **Mike McCafferty – N5MMC**
Nov -- ?
Dec – Christmas Party

Sachse Amateur Radio Association
Meeting Minutes
July 9, 2020

Guest Speaker

Andrew Koenig – KE5GDB

ARDEN – Amateur Radio Emergency Network – Update

Discussed the pros and cons of this system.
- For example, must have a good line of site, so need to set up at a higher elevation
- Has web cams and weather stations
- Can do Winlink and Allstar

As progressed, getting more people with ARDEN to allow for better use
Then went over places where it is set-up
Showed damage from lightning
Discussed new information since last presentation
Discussed how sites vary on access and requirements to use their towers
Shared some awesome pictures

Adjourned: 9:00 pm
- Motion – **Jeff Feldman – KI5DDX**
- 2nd the motion – **David Mandala – KG5WFS**
- No one opposed
- Motion passed

Sachse Amateur Radio Association Weekly Repeater Net Script

Version: 6.0 - March 1, 2020

Good evening and welcome to the "*Ham Radio in Sachse*" Weekly Information Net. My name is (*name, call sign*), and I will be your net control this evening. ***(pause)*** This net is heard every Wednesday evening at 8:00pm on the N5LOC repeater, on frequency 145.250, using a PL tone of 141.3. All licensed amateurs are invited and encouraged to participate, whether you are a club member or guest. ***(pause)***. This is a Directed Net. Please do not transmit unless directed to do so by Net Control. If the net should go down, everyone should switch to simplex frequency 146.400, with no PL tone or offset. Also, if at any time, you have an emergency to report, break in by saying "Priority" or "Emergency" followed by your call sign and the net will stand by. An emergency is defined as the imminent threat to life or property. **Is there any emergency, priority or time sensitive traffic at this time?** ***Pause***

Check-Ins:
We will begin by taking check-ins, three at a time. If you would like to check into this net, please give your call sign phonetically, your name and repeat your Call Sign alphanumerically slowly, so Net Control can write it down. I will take three check-ins now.
(*write down and read back call signs of check ins*). (Remember: Echo Link users (if any) need a few extra seconds to respond). (You might ask if there are any Echo Link users who would like to check-in.)

Club Announcements: ***Now is a good time for Net Control to ID.***
Our first topic will be announcements from club officers. Any club officer on the net with an announcement, please give your call sign now.

Member & General Comments: ***Now is a good time for Net Control to ID.***
Our next topic is member & general comments. Any member of the Sachse Amateur Radio Association, or anyone else on this net, who would like to make a comment, please give your call sign now.

Tech Talk: ***Now is a good time for Net Control to ID.***
Now it is time for Tech Talk. You might ask any questions you have of a technical nature regarding amateur radio or computers. You might share any information or comments that you think would be valuable for the group. If anyone has an item for Tech Talk, please give your call sign now.

Swap Shop: ***Now is a good time for Net Control to ID.***
The next topic is Swap Shop. Anyone wishing to buy, sell, trade, or give away items related to ham radio or computers is invited to do so. Please do not haggle over price on the air. If anyone has an item for Swap Shop, please give your call sign now.

Education: ***Now is a good time for Net Control to ID.***
Now we would like to know if anyone has an idea for an Education Presentation. Anyone who wants to suggest an item for a future presentation, or who has a presentation to share this evening, please give your call sign now.

How Was Your HAM Week: ***Now is a good time for Net Control to ID.***
Now for the fun part of our hobby, "***How Was Your HAM Week***". This exercise allows any station to share anything related to HAM Radio. Example topics can be "DX'ing Observations", "Experiences", "Challenges", "Lesson-Learn with your equipment", "Victories on a project" or even something you have learned from a "not so successful project". Whether you are a member or guest, this exercise is voluntary. No station is under obligation to share anything. As your Net Control, I will start by briefly sharing my "Ham Week". (Share something you recently did.) If any station would like to share their "Ham Week", simply give your Call Sign and Net Control will recognize your station and give you the platform to share. (*Net Control – provide positive feedback on their topic.)*

Late Check-Ins: ***Now is a good time for Net Control to ID.***
Before we end this Net, I would like to take late check-ins. If there are any late check-ins, whether RF or Echo Link, please give your call sign and name slowly and clearly. (*write down and read back each call sign*).

Last Call:
This is now the last call for any station that might have any comments? Please give your call sign.

Wrap-Up: ***Now is a good time for Net Control to ID.***
This concludes the "Ham Radio in Sachse" Weekly Information Net. If you would like more information about the Sachse Amateur Radio Association, please visit our web site at www.sachseradio.org. This is (*call sign*) and we now return the N5LOC repeater to its normal use.

Sachse Amateur Radio Association Simplex Net Script

Version: 6.2 - April 25, 2020

Good evening and welcome to the "*Ham Radio in Sachse*" Simplex Net. My name is (*name, call sign*), and I will be your net control this evening. This net is heard every 3rd Tuesday evening at 7:30 pm on a frequency of 146.40 Simplex. Therefore, there is no need for an offset or PL tone. All licensed amateurs are invited and encouraged to participate, whether you are a club member or guest. This is a Directed Net. Please do not transmit unless directed to do so by Net Control. At the end of check-ins, I will ask for relays of check-ins I acknowledged, that you did not hear, and check-ins that I did not hear. Near the end of the program, I will ask for a signal report. If at any time, you have an emergency to report, break in by saying "Priority" or "Emergency" followed by your call sign and the net will stand by. An emergency is defined as the imminent threat to life or property. **Is there any emergency, priority or time sensitive traffic at this time?** ***Pause—***
hearing none...

Check-Ins:
We will begin by taking check-ins, three at a time. If you would like to check into this net, please give your call sign phonetically, your name and repeat your call sign alphanumerically, so Net Control can write it down. Please come now in groups of 3.
(*write down and read back call signs of check ins*).
When there are no more check-ins, go through the list and ask if anyone heard a check-in that you did not acknowledge or if there is a check-in that they did not hear.
You may have to pick a relay person for the night.
If you had to pick a relay person or persons, then remember to stop after each conversation and have the relay person pass that information on.

Club Announcements: ***Now is a good time for Net Control to ID.***
Our first topic will be announcements from club officers. Any club officer on the net with an announcement, please give your call sign now.

Member & General Comments: ***Now is a good time for Net Control to ID.***
Our next topic is member & general comments. Any member of the Sachse Amateur Radio Association, or anyone else on this net, who would like to make a comment, please give your call sign now.

Tech Talk: ***Now is a good time for Net Control to ID.***
The next topic is Tech Talk. Ask any questions you may have of a technical nature regarding amateur radio or computers. Feel free to share any information or share any comments that you find to be valuable with the group. If anyone has an item for Tech Talk, please give your call sign now.

Education: ***Now is a good time for Net Control to ID.***
Our next topic is Education. Anyone who has an education presentation they would like to make or want to suggest an item for a future presentation, please give your call sign now.

Signal Reports: ***Now is a good time for Net Control to ID.***
Next, we will discuss signal reports. How does net control and/or the check-ins come across. I will now go down the list of check-ins so everyone can give a response. Please use the plain language radio checks provided on the Sachse Radio web page. (For example; net control was loud and clear.) Also please include you r power levels at the end of your signal report.
(You start)

Late Check-Ins: ***Now is a good time for Net Control to ID.***
Next, Net Control would like to take late check-ins. If there are any late check-ins, please give your call sign and name slowly and clearly.
(*write down and read back each call sign*).
Remember to ask if there are any check-ins you did not acknowledge or check-ins that others did not hear.

Last Call:
Before we conclude the net, are there any Stations wishing to report into the Net and/or have any comments?

Wrap-Up: ***Now is a good time for Net Control to ID.***
This concludes the "Ham Radio in Sachse" Simplex Net. If you would like more information about the Sachse Amateur Radio Association, please visit our web site at www.sachseradio.org. This is XXXXXXX and we will now return this frequency to its normal use.

Sachse Amateur Radio Association
Sachse, Texas 75048-3696
www.sachseradio.org
kf5nbo@gmail.com

Date: _____

Type of Application: New Member ☐ **or Renewal** ☐

Your Call Sign:_____ **Your License Class:**_____

Your Name:_____ **Spouses Name:**_____

Address:_____

City:_____ **State:**_____ **Zip:**_____

Home Phone:_____ **Work Phone:**_____

Cell Phone:_____ **Email:**_____

Membership Types: Please check only one option below:

☐ **Regular:** A regular member shall be any FCC licensed amateur radio operator who does not fall under the special provision of an associate or student membership. Regular member dues are $25.00 per year unless prorated (see below).

☐ **Family:** A family membership shall be any FCC licensed amateur radio operators and non-licensed family members interested in amateur radio who live in the immediate household. Family member dues are $30.00 per year unless

☐ **Associate:** An associate member shall be any person maintaining membership to support the association but who does not hold a license as a radio amateur. Associate member dues are $10.00 per year and are not prorated.

☐ **Student:** A student member shall be any FCC licensed amateur radio operator who is currently enrolled as a full-time student, is 18 years of age or younger, and is not otherwise eligible to be included in a family membership. Student member dues are $10.00 per year and are not prorated.

If selecting Family membership, please list the family members covered by this application.

Name:_____ **Email:**_____ **Call Sign (if any):**_____ **Lic Class:**_____

Name:_____ **Email:**_____ **Call Sign (if any):**_____ **Lic Class:**_____

Membership Dues: (Please check only one)

Dues are initially paid upon joining the association. Renewal dues are paid no later than the September meeting each year. A new application must be submitted each year as well. Dues are reduced (prorated) for Regular and Family members (only) who join or renew their membership after Dec 31st:

- ☐ Joining Sep 1 thru Dec 31, pay $25.00 for Regular dues, or $30.00 for Family dues.
- ☐ Joining Jan 1 thru Mar 31, pay $18.75 for Regular dues, or $22.50 for Family dues.
- ☐ Joining Apr 1 thru Jun 30, pay $12.50 for Regular dues, or $15.00 for Family dues.
- ☐ Joining Jul 1 thru Aug 31, pay $6.25 for Regular dues, or $7.50 for Family dues.

TOTAL DUE: $_____

Are you a current member of the ARRL? YES ☐ or NO ☐ (please choose only one).

By submitting this application, either by hand or any electronic means, you hereby agree to abide by the rules and regulations of the Sachse Amateur Radio Association.

Signature: _____